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# foreign agriculture circular

## livestock and meat

FLM 5-78

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### U.S. DAIRY BREEDING CATTLE EXPORTS REBOUND TO NEAR RECORD LEVELS

U.S. dairy cattle exports in 1977 totaled 72,305 head, up 15,989 head from the 1976 level of 56,316 and less than 1,000 head short of the record established in 1975. The total estimated value of 1977 shipments is \$57.6 million.

#### Exports by Area

Smaller shipments to Mexico—in part because of devaluation of the peso—lowered U.S. exports to North America slightly. However, Costa Rica and El Salvador are building dairy herds and registered sizable increases in imports of U.S. breeding stock.

South American imports of U.S. dairy breeding stock were up from 1,441 head in 1977 to 2,815 head in 1977. Brazil, Colombia, Venezuela, and Peru were substantial importers.

Exports to Europe jumped to 9,587 in 1977 from 3,845 head in 1976. Hungary, again the biggest market, accounted for 7,270 in 1977 compared with only 1,531 in 1976.

Libya and Tanzania were the only importers of any significance on the African Continent, taking 412 and 143 head respectively.

In the Middle East, Iran was the leadin importer taking 9,512 head out of a total of 10,120 head of U.S. dairy breeding cattle exported to this area. Late in 1977 Iraq imported 348 head. Currently, Iraq is tendering for 600 head and indications are there will be additional tenders in 1978.

The Republic of Korea was the leading Asian importer, accounting for 11,308 of the 11,968 head of U.S. dairy breeding cattle exported to Asia. The Korean Government has made a strong commitment to building a dairy industry and has projected imports of dairy cattle in excess of 20,000 head per year through 1982. The Japanese market, taking 660 head in 1977, remained an important market for high quality dairy breeding stock.

#### Exports by Breed

Holsteins were again the leading U.S. export breed, accounting for 68,098 head or 94.8 percent of total exports. Holsteins were followed by Brown Swiss, Jersey, Guernsey, and Ayrshire. The Holstein and Jersey breeds accounted for the 1977 increase in exports of 15,989 head. Holstein exports were up 16,015 head, while Jersey were up 528 head. Exports of Ayrshire, Guernsey, and Brown Swiss all declined in 1977 from the 1976 level.

#### Exports by States

Forty-seven states plus Puerto Rico shared in the 1977 export market. Wisconsin, with the largest concentration of Holstein cattle in the United States, was again the leading exporter, accounting for 10,637 head. California was a close second with 10,181 head, followed by Missouri, Texas, and Minnesota. These five leading export States accounted for 51.8 percent of total exports.

#### Outlook

World demand for U.S. dairy breeding stock continues to be strong. Exports of U.S. dairy breeding stock in 1978 could exceed 1977 exports of 72,305 head. Overall, shipments to Hungary are expected to be less, shipments to Korea, Iran, and Iraq are expected to register sizable gains. Demand in Central and South America is expected to remain active. The Mexican market continues to be strong. Total value of U.S. dairy cattle exports should show a substantial gain as prices in the United States have strengthened during the first and second quarters of 1978.

Data presented in this circular are based on health certificates issued by the USDA Animal and Plant Health Service for animals for export. Not all of these animals may have been exported.

TABLE 1.--DAIRY BREEDING CATTLE: INSPECTED FOR EXPORT FROM THE  
UNITED STATES, BY BREED, CALENDAR YEARS 1971 - 1977  
(HEAD)

| BREED       | 1971   | 1972   | 1973   | 1974   | 1975   | 1976   | 1977   |
|-------------|--------|--------|--------|--------|--------|--------|--------|
| HOLSTEIN    | 11,949 | 17,145 | 31,750 | 54,292 | 67,283 | 52,083 | 68,098 |
| BROWN SWISS | 1,666  | 868    | 1,633  | 2,651  | 4,453  | 3,274  | 2,922  |
| JERSEY      | 221    | 110    | 302    | 477    | 1,049  | 507    | 1,035  |
| GUERNSEY    | 367    | 64     | 119    | 184    | 291    | 338    | 138    |
| AYRSHIRE    | 320    | 489    | 183    | 128    | 201    | 114    | 112    |
| TOTAL       | 14,523 | 18,676 | 33,987 | 57,732 | 73,277 | 56,316 | 72,305 |

Source: USDA Animal and Plant Health Service

MAY 1978

FOREIGN COMMODITY ANALYSIS, FAS, USDA



TABLE 2.--DAIRY BREEDING CATTLE INSPECTED FOR EXPORT FROM THE UNITED STATES  
BY COUNTRY OF DESTINATION, CALENDAR YEARS 1976 AND 1977 (HEAD)

| CONTINENT AND COUNTRY<br>OF DESTINATION | AYRSHIRE   |            | BROWN<br>SWISS |              | GUERNSEY   |            | HOLSTEIN      |               | JERSEY     |              | TOTAL<br>BREEDS |               |
|---|------------|------------|----------------|--------------|------------|------------|---------------|---------------|------------|--------------|-----------------|---------------|
|   | 1976       | 1977       | 1976           | 1977         | 1976       | 1977       | 1976          | 1977          | 1976       | 1977         | 1976            | 1977          |
| <b>NORTH AMERICA</b>                    |            |            |                |              |            |            |               |               |            |              |                 |               |
| MEXICO                                  | 0          | 0          | 1,909          | 344          | 175        | 3          | 32,061        | 27,800        | 294        | 305          | 34,439          | 28,452        |
| COSTA RICA                              | 9          | 0          | 294            | 677          | 24         | 1          | 1,165         | 2,899         | 136        | 506          | 1,628           | 4,083         |
| CANADA                                  | 104        | 105        | 102            | 249          | 87         | 80         | 945           | 1,133         | 23         | 70           | 1,261           | 1,637         |
| NICARAGUA                               | 0          | 0          | 74             | 34           | 0          | 0          | 1,445         | 1,033         | 5          | 23           | 1,524           | 1,090         |
| EL SALVADOR                             | 0          | 0          | 5              | 122          | 0          | 0          | 491           | 646           | 0          | 10           | 496             | 778           |
| JAMAICA AND DEP.                        | 0          | 0          | 0              | 0            | 0          | 0          | 646           | 513           | 0          | 2            | 646             | 515           |
| DOMINICAN REPUBLIC                      | 0          | 7          | 39             | 144          | 0          | 0          | 117           | 277           | 1          | 23           | 157             | 451           |
| GUATEMALA                               | 0          | 0          | 0              | 99           | 0          | 0          | 0             | 0             | 0          | 16           | 0               | 115           |
| HONDURAS                                | 0          | 0          | 0              | 33           | 0          | 0          | 32            | 35            | 0          | 0            | 32              | 68            |
| BERMUDA                                 | 0          | 0          | 0              | 5            | 0          | 0          | 16            | 33            | 0          | 1            | 16              | 39            |
| HAITI                                   | 0          | 0          | 6              | 6            | 6          | 0          | 0             | 18            | 0          | 0            | 12              | 24            |
| ANTIGUA ISLANDS                         | 1          | 0          | 0              | 0            | 0          | 0          | 0             | 4             | 0          | 0            | 1               | 4             |
| BAHAMAS                                 | 0          | 0          | 0              | 0            | 0          | 0          | 202           | 0             | 0          | 0            | 202             | 0             |
| BRITISH WEST INDIES                     | 0          | 0          | 0              | 0            | 0          | 0          | 43            | 0             | 0          | 0            | 43              | 0             |
| PANAMA                                  | 0          | 0          | 174            | 0            | 4          | 0          | 198           | 0             | 1          | 0            | 377             | 0             |
| <b>TOTAL</b>                            | <b>114</b> | <b>112</b> | <b>2,603</b>   | <b>1,713</b> | <b>296</b> | <b>84</b>  | <b>37,361</b> | <b>34,391</b> | <b>460</b> | <b>956</b>   | <b>40,834</b>   | <b>37,256</b> |
| <b>SOUTH AMERICA</b>                    |            |            |                |              |            |            |               |               |            |              |                 |               |
| BRAZIL                                  | 0          | 0          | 23             | 17           | 0          | 54         | 433           | 1,076         | 1          | 12           | 457             | 1,159         |
| COLOMBIA                                | 0          | 0          | 63             | 841          | 0          | 0          | 14            | 66            | 0          | 0            | 77              | 907           |
| VENEZUELA                               | 0          | 0          | 233            | 156          | 42         | 0          | 74            | 180           | 0          | 0            | 349             | 336           |
| PERU                                    | 0          | 0          | 235            | 74           | 0          | 0          | 185           | 193           | 0          | 0            | 420             | 267           |
| ECUADOR                                 | 0          | 0          | 45             | 13           | 0          | 0          | 87            | 81            | 0          | 0            | 132             | 94            |
| ARGENTINA                               | 0          | 0          | 0              | 0            | 0          | 0          | 0             | 32            | 0          | 0            | 0               | 32            |
| PARAGUAY                                | 0          | 0          | 0              | 15           | 0          | 0          | 0             | 5             | 1          | 0            | 1               | 20            |
| CHILE                                   | 0          | 0          | 0              | 0            | 0          | 0          | 5             | 0             | 0          | 0            | 5               | 0             |
| <b>TOTAL</b>                            | <b>0</b>   | <b>0</b>   | <b>599</b>     | <b>1,116</b> | <b>42</b>  | <b>54</b>  | <b>798</b>    | <b>1,633</b>  | <b>2</b>   | <b>12</b>    | <b>1,441</b>    | <b>2,815</b>  |
| <b>EUROPE</b>                           |            |            |                |              |            |            |               |               |            |              |                 |               |
| HUNGARY                                 | 0          | 0          | 0              | 0            | 0          | 0          | 1,531         | 7,270         | 0          | 0            | 1,531           | 7,270         |
| YUGOSLAVIA                              | 0          | 0          | 0              | 0            | 0          | 0          | 28            | 659           | 0          | 0            | 28              | 659           |
| ITALY                                   | 0          | 0          | 10             | 79           | 0          | 0          | 808           | 558           | 43         | 0            | 861             | 637           |
| PORTUGAL                                | 0          | 0          | 0              | 0            | 0          | 0          | 16            | 344           | 0          | 0            | 16              | 344           |
| GERMANY EAST                            | 0          | 0          | 0              | 0            | 0          | 0          | 0             | 197           | 0          | 0            | 0               | 197           |
| SPAIN                                   | 0          | 0          | 0              | 0            | 0          | 0          | 602           | 179           | 0          | 0            | 602             | 179           |
| FRANCE                                  | 0          | 0          | 0              | 0            | 0          | 0          | 105           | 120           | 0          | 0            | 105             | 120           |
| USSR                                    | 0          | 0          | 40             | 4            | 0          | 0          | 178           | 103           | 0          | 0            | 218             | 107           |
| GERMANY WEST                            | 0          | 0          | 0              | 0            | 0          | 0          | 35            | 36            | 0          | 0            | 35              | 36            |
| NETHERLANDS                             | 0          | 0          | 0              | 0            | 0          | 0          | 1             | 16            | 0          | 0            | 1               | 16            |
| POLAND                                  | 0          | 0          | 0              | 0            | 0          | 0          | 61            | 14            | 0          | 0            | 61              | 14            |
| AUSTRIA                                 | 0          | 0          | 0              | 8            | 0          | 0          | 0             | 0             | 0          | 0            | 0               | 8             |
| BULGARIA                                | 0          | 0          | 21             | 0            | 0          | 0          | 366           | 0             | 0          | 0            | 387             | 0             |
| <b>TOTAL</b>                            | <b>0</b>   | <b>0</b>   | <b>71</b>      | <b>91</b>    | <b>0</b>   | <b>0</b>   | <b>3,731</b>  | <b>9,496</b>  | <b>43</b>  | <b>0</b>     | <b>3,845</b>    | <b>9,587</b>  |
| <b>AFRICA</b>                           |            |            |                |              |            |            |               |               |            |              |                 |               |
| LIBYA                                   | 0          | 0          | 0              | 0            | 0          | 0          | 0             | 412           | 0          | 0            | 0               | 412           |
| TANZANIA                                | 0          | 0          | 0              | 0            | 0          | 0          | 255           | 76            | 0          | 67           | 255             | 143           |
| SOUTHWEST AFRICA                        | 0          | 0          | 0              | 0            | 0          | 0          | 0             | 4             | 0          | 0            | 0               | 4             |
| REP. SOUTH AFRICA                       | 0          | 0          | 0              | 0            | 0          | 0          | 35            | 0             | 0          | 0            | 35              | 0             |
| NIGERIA                                 | 0          | 0          | 0              | 0            | 0          | 0          | 51            | 0             | 0          | 0            | 51              | 0             |
| CAMEROON                                | 0          | 0          | 0              | 0            | 0          | 0          | 42            | 0             | 0          | 0            | 42              | 0             |
| MOROCCO                                 | 0          | 0          | 0              | 0            | 0          | 0          | 17            | 0             | 0          | 0            | 17              | 0             |
| <b>TOTAL</b>                            | <b>0</b>   | <b>0</b>   | <b>0</b>       | <b>0</b>     | <b>0</b>   | <b>0</b>   | <b>400</b>    | <b>492</b>    | <b>0</b>   | <b>67</b>    | <b>400</b>      | <b>559</b>    |
| <b>MIDDLE EAST</b>                      |            |            |                |              |            |            |               |               |            |              |                 |               |
| IRAN                                    | 0          | 0          | 1              | 0            | 0          | 0          | 7,337         | 9,512         | 0          | 0            | 7,338           | 9,512         |
| IRAQ                                    | 0          | 0          | 0              | 0            | 0          | 0          | 0             | 348           | 0          | 0            | 0               | 348           |
| OMAN                                    | 0          | 0          | 0              | 0            | 0          | 0          | 0             | 190           | 0          | 0            | 0               | 190           |
| SAUDI ARABIA                            | 0          | 0          | 0              | 0            | 0          | 0          | 0             | 70            | 0          | 0            | 0               | 70            |
| TURKEY                                  | 0          | 0          | 0              | 0            | 0          | 0          | 82            | 0             | 0          | 0            | 82              | 0             |
| <b>TOTAL</b>                            | <b>0</b>   | <b>0</b>   | <b>1</b>       | <b>0</b>     | <b>0</b>   | <b>0</b>   | <b>7,419</b>  | <b>10,120</b> | <b>0</b>   | <b>0</b>     | <b>7,420</b>    | <b>10,120</b> |
| <b>ASIA</b>                             |            |            |                |              |            |            |               |               |            |              |                 |               |
| KOREA, REP. OF                          | 0          | 0          | 0              | 2            | 0          | 0          | 1,854         | 11,306        | 0          | 0            | 1,854           | 11,308        |
| JAPAN                                   | 0          | 0          | 0              | 0            | 0          | 0          | 520           | 660           | 2          | 0            | 522             | 660           |
| <b>TOTAL</b>                            | <b>0</b>   | <b>0</b>   | <b>0</b>       | <b>2</b>     | <b>0</b>   | <b>0</b>   | <b>2,374</b>  | <b>11,966</b> | <b>2</b>   | <b>0</b>     | <b>2,376</b>    | <b>11,968</b> |
| <b>GRAND TOTAL</b>                      | <b>114</b> | <b>112</b> | <b>3,274</b>   | <b>2,922</b> | <b>338</b> | <b>138</b> | <b>52,083</b> | <b>68,098</b> | <b>507</b> | <b>1,035</b> | <b>56,316</b>   | <b>72,305</b> |

Source: USDA Animal and Plant Health Service

TABLE 3.--DAIRY BREEDING CATTLE: INSPECTED FOR EXPORT FROM THE  
UNITED STATES BY BREED, SEX, AND COUNTRY OF DESTINATION  
CALENDAR YEARS 1976 AND 1977 - (HEAO)

| BREED AND<br>DESTINATION COUNTRY | MALES |      | FEMALE |        | TOTAL  |        |
|----------------------------------|-------|------|--------|--------|--------|--------|
|                                  | 1976  | 1977 | 1976   | 1977   | 1976   | 1977   |
| AYRSHIRE                         |       |      |        |        |        |        |
| CANAOA                           | 12    | 4    | 92     | 101    | 104    | 105    |
| DOMINICAN REPUBLIC               | 0     | 1    | 0      | 6      | 0      | 7      |
| ANTIGUA ISLANDS                  | 1     | 0    | 0      | 0      | 1      | 0      |
| COSTA RICA                       | 1     | 0    | 8      | 0      | 9      | 0      |
| TOTAL                            | 14    | 5    | 100    | 107    | 114    | 112    |
| BROWN SWISS                      |       |      |        |        |        |        |
| COLOMBIA                         | 0     | 279  | 63     | 562    | 63     | 841    |
| COSTA RICA                       | 73    | 74   | 221    | 603    | 294    | 677    |
| MEXICO                           | 85    | 63   | 1,824  | 281    | 1,909  | 344    |
| CANADA                           | 4     | 13   | 98     | 236    | 102    | 249    |
| VENEZUELA                        | 75    | 25   | 158    | 131    | 233    | 156    |
| DOMINICAN REPUBLIC               | 33    | 84   | 6      | 60     | 39     | 144    |
| EL SALVADOR                      | 0     | 69   | 5      | 53     | 5      | 122    |
| GUATEMALA                        | 0     | 14   | 0      | 85     | 0      | 99     |
| ITALY                            | 0     | 6    | 10     | 73     | 10     | 79     |
| PERU                             | 3     | 0    | 232    | 74     | 235    | 74     |
| NICARAGUA                        | 33    | 3    | 41     | 31     | 74     | 34     |
| HONDURAS                         | 0     | 33   | 0      | 0      | 0      | 33     |
| BRAZIL                           | 2     | 2    | 21     | 15     | 23     | 17     |
| PARAGUAY                         | 0     | 15   | 0      | 0      | 0      | 15     |
| ECUADOR                          | 2     | 13   | 43     | 0      | 45     | 13     |
| AUSTRIA                          | 0     | 0    | 0      | 8      | 0      | 8      |
| HAITI                            | 0     | 1    | 6      | 5      | 6      | 6      |
| BERMUDA                          | 0     | 0    | 0      | 5      | 0      | 5      |
| USSR                             | 22    | 4    | 18     | 0      | 40     | 4      |
| KOREA, REP OF                    | 0     | 0    | 0      | 2      | 0      | 2      |
| IRAN                             | 1     | 0    | 0      | 0      | 1      | 0      |
| BULGARIA                         | 8     | 0    | 13     | 0      | 21     | 0      |
| PANAMA                           | 133   | 0    | 41     | 0      | 174    | 0      |
| TOTAL                            | 474   | 698  | 2,800  | 2,224  | 3,274  | 2,922  |
| GUERNSEY                         |       |      |        |        |        |        |
| CANADA                           | 13    | 3    | 74     | 77     | 87     | 80     |
| BRAZIL                           | 0     | 0    | 0      | 54     | 0      | 54     |
| MEXICO                           | 4     | 3    | 171    | 0      | 175    | 3      |
| COSTA RICA                       | 1     | 1    | 23     | 0      | 24     | 1      |
| VENEZUELA                        | 2     | 0    | 40     | 0      | 42     | 0      |
| HAITI                            | 1     | 0    | 5      | 0      | 6      | 0      |
| PANAMA                           | 0     | 0    | 4      | 0      | 4      | 0      |
| TOTAL                            | 21    | 7    | 317    | 131    | 338    | 138    |
| HOLSTEIN                         |       |      |        |        |        |        |
| MEXICO                           | 29    | 23   | 32,032 | 27,777 | 32,061 | 27,800 |
| KOREA, REP OF                    | 2     | 4    | 1,852  | 11,302 | 1,854  | 11,306 |
| IRAN                             | 9     | 17   | 7,328  | 9,495  | 7,337  | 9,512  |
| HUNGARY                          | 17    | 11   | 1,514  | 7,259  | 1,531  | 7,270  |
| COSTA RICA                       | 9     | 6    | 1,156  | 2,893  | 1,165  | 2,899  |
| CANAOA                           | 83    | 70   | 862    | 1,063  | 945    | 1,133  |
| BRAZIL                           | 36    | 126  | 397    | 950    | 433    | 1,076  |
| NICARAGUA                        | 0     | 1    | 1,445  | 1,032  | 1,445  | 1,033  |
| JAPAN                            | 2     | 6    | 518    | 654    | 520    | 660    |
| YUGOSLAVIA                       | 0     | 2    | 28     | 657    | 28     | 659    |
| EL SALVADOR                      | 2     | 14   | 489    | 632    | 491    | 646    |
| ITALY                            | 70    | 51   | 738    | 507    | 808    | 558    |
| JAMAICA AND DEP                  | 0     | 4    | 646    | 509    | 646    | 513    |
| LIBYA                            | 0     | 3    | 0      | 409    | 0      | 412    |
| IRAQ                             | 0     | 0    | 0      | 348    | 0      | 348    |
| PORTUGAL                         | 0     | 1    | 16     | 343    | 16     | 344    |
| DOMINICAN REPUBLIC               | 13    | 5    | 104    | 272    | 117    | 277    |
| GERMANY EAST                     | 0     | 0    | 0      | 197    | 0      | 197    |
| PERU                             | 0     | 0    | 185    | 193    | 185    | 193    |
| OMAN                             | 0     | 0    | 0      | 190    | 0      | 190    |
| VENEZUELA                        | 0     | 15   | 74     | 165    | 74     | 180    |
| SPAIN                            | 2     | 4    | 600    | 175    | 602    | 179    |
| FRANCE                           | 63    | 120  | 42     | 0      | 105    | 120    |
| USSR                             | 48    | 103  | 130    | 0      | 178    | 103    |
| ECUADOR                          | 5     | 0    | 82     | 81     | 87     | 81     |
| TANZANIA                         | 0     | 0    | 255    | 76     | 255    | 76     |
| SAUDI ARABIA                     | 0     | 0    | 0      | 70     | 0      | 70     |
| COLOMBIA                         | 6     | 3    | 8      | 63     | 14     | 66     |
| GERMANY WEST                     | 32    | 31   | 3      | 5      | 35     | 36     |
| HONDURAS                         | 4     | 0    | 28     | 35     | 32     | 35     |
| BERMUDA                          | 0     | 0    | 16     | 33     | 16     | 33     |
| ARGENTINA                        | 0     | 15   | 0      | 17     | 0      | 32     |
| HAITI                            | 0     | 2    | 0      | 16     | 0      | 18     |
| NETHERLANDS                      | 1     | 12   | 0      | 4      | 1      | 16     |
| POLAND                           | 0     | 13   | 61     | 1      | 61     | 14     |
| PARAGUAY                         | 0     | 5    | 0      | 0      | 0      | 5      |
| SOUTHWEST AFRICA                 | 0     | 0    | 0      | 4      | 0      | 4      |
| ANTIGUA ISLANDS                  | 0     | 0    | 0      | 4      | 0      | 4      |
| REP SOUTH AFRICA                 | 3     | 0    | 32     | 0      | 35     | 0      |
| NIGERIA                          | 0     | 0    | 51     | 0      | 51     | 0      |
| CAMEROONS                        | 0     | 0    | 42     | 0      | 42     | 0      |
| MOROCCO                          | 1     | 0    | 16     | 0      | 17     | 0      |
| TURKEY                           | 1     | 0    | 81     | 0      | 82     | 0      |
| BULGARIA                         | 24    | 0    | 342    | 0      | 366    | 0      |

Source: USDA Animal and Plant Health Service

TABLE 3.--DAIRY BREEDING CATTLE: INSPECTED FOR EXPORT FROM THE  
UNITED STATES BY BREED, SEX, AND COUNTRY OF DESTINATION  
CALENDAR YEARS 1976 AND 1977 - (HEAD)

| BREED AND<br>DESTINATION COUNTRY | MALES |       | FEMALE |        | TOTAL  |        |
|----------------------------------|-------|-------|--------|--------|--------|--------|
|                                  | 1976  | 1977  | 1976   | 1977   | 1976   | 1977   |
| HOLSTEIN                         |       |       |        |        |        |        |
| CHILE                            | 0     | 0     | 5      | 0      | 5      | 0      |
| BAHAMAS                          | 0     | 0     | 202    | 0      | 202    | 0      |
| BRITISH WEST INDIES              | 0     | 0     | 43     | 0      | 43     | 0      |
| PANAMA                           | 39    | 0     | 159    | 0      | 198    | 0      |
| TOTAL                            | 501   | 667   | 51,582 | 67,431 | 52,083 | 68,098 |
| JERSEY                           |       |       |        |        |        |        |
| COSTA RICA                       | 0     | 1     | 136    | 505    | 136    | 506    |
| MEXICO                           | 3     | 1     | 291    | 304    | 294    | 305    |
| CANADA                           | 0     | 10    | 23     | 60     | 23     | 70     |
| TANZANIA                         | 0     | 6     | 0      | 61     | 0      | 67     |
| DOMINICAN REPUBLIC               | 0     | 2     | 1      | 21     | 1      | 23     |
| NICARAGUA                        | 0     | 0     | 5      | 23     | 5      | 23     |
| GUATEMALA                        | 0     | 4     | 0      | 12     | 0      | 16     |
| BRAZIL                           | 1     | 0     | 0      | 12     | 1      | 12     |
| EL SALVADOR                      | 0     | 0     | 0      | 10     | 0      | 10     |
| JAMAICA AND DEP                  | 0     | 2     | 0      | 0      | 0      | 2      |
| BERMUDA                          | 0     | 0     | 0      | 1      | 0      | 1      |
| JAPAN                            | 1     | 0     | 1      | 0      | 2      | 0      |
| ITALY                            | 0     | 0     | 43     | 0      | 43     | 0      |
| PARAGUAY                         | 0     | 0     | 1      | 0      | 1      | 0      |
| PANAMA                           | 0     | 0     | 1      | 0      | 1      | 0      |
| TOTAL                            | 5     | 26    | 502    | 1,009  | 507    | 1,035  |
| GRAND TOTAL                      | 1,015 | 1,403 | 55,301 | 70,902 | 56,316 | 72,305 |

Source: USDA Animal and Plant Health Service

MAY 1978

FOREIGN COMMODITY ANALYSIS, FAS, USDA

TABLE 4.--DAIRY BREEDING CATTLE: INSPECTED FOR EXPORT FROM THE UNITED STATES  
BY BREED AND STATE OF ORIGIN, CALENDAR YEAR 1977 - (HEAD)

| STATE OF ORIGIN | AYRSHIRE | BROWN<br>SWISS | GUERNSEY | HOLSTEIN | JERSEY | TOTAL<br>BREEDS |
|-----------------|----------|----------------|----------|----------|--------|-----------------|
| WISCONSIN       | 0        | 584            | 1        | 9,978    | 74     | 10,637          |
| CALIFORNIA      | 0        | 0              | 1        | 10,178   | 2      | 10,181          |
| MISSOURI        | 0        | 0              | 5        | 5,703    | 192    | 5,900           |
| TEXAS           | 0        | 781            | 3        | 4,886    | 25     | 5,695           |
| MINNESOTA       | 0        | 76             | 0        | 4,981    | 1      | 5,058           |
| CONNECTICUT     | 0        | 15             | 0        | 4,627    | 0      | 4,642           |
| INDIANA         | 7        | 112            | 2        | 3,487    | 12     | 3,620           |
| IOWA            | 1        | 102            | 0        | 3,002    | 1      | 3,106           |
| VERMONT         | 4        | 4              | 0        | 2,862    | 3      | 2,873           |
| IDaho           | 0        | 0              | 0        | 1,998    | 1      | 1,999           |
| FLORIDA         | 0        | 304            | 0        | 1,545    | 147    | 1,996           |
| NEW YORK        | 39       | 125            | 36       | 1,741    | 9      | 1,950           |
| WASHINGTON      | 0        | 0              | 18       | 1,865    | 11     | 1,894           |
| ILLINOIS        | 0        | 20             | 1        | 1,770    | 1      | 1,792           |
| NEBRASKA        | 0        | 0              | 0        | 1,764    | 0      | 1,764           |
| TENNESSEE       | 0        | 0              | 0        | 1,478    | 27     | 1,505           |
| OHIO            | 0        | 449            | 5        | 780      | 164    | 1,398           |
| PENNSYLVANIA    | 7        | 4              | 26       | 1,356    | 0      | 1,393           |
| KANSAS          | 0        | 15             | 0        | 1,276    | 1      | 1,292           |
| OKLAHOMA        | 0        | 60             | 0        | 498      | 0      | 558             |
| WYOMING         | 0        | 0              | 0        | 325      | 30     | 355             |
| ARKANSAS        | 0        | 127            | 0        | 207      | 0      | 334             |
| SOUTH DAKOTA    | 0        | 1              | 0        | 311      | 0      | 312             |
| OREGON          | 0        | 9              | 8        | 231      | 0      | 248             |
| NORTH CAROLINA  | 0        | 0              | 0        | 163      | 65     | 228             |
| ARIZONA         | 0        | 6              | 0        | 138      | 67     | 211             |
| MAINE           | 5        | 0              | 0        | 191      | 1      | 197             |
| SOUTH CAROLINA  | 0        | 0              | 0        | 57       | 135    | 192             |
| KENTUCKY        | 0        | 18             | 0        | 153      | 16     | 187             |
| GEORGIA         | 0        | 65             | 0        | 85       | 7      | 157             |
| VIRGINIA        | 0        | 9              | 14       | 132      | 0      | 155             |
| MARYLAND        | 0        | 0              | 10       | 113      | 0      | 123             |
| MICHIGAN        | 0        | 0              | 0        | 74       | 0      | 74              |
| ALABAMA         | 0        | 33             | 0        | 0        | 32     | 65              |
| COLORADO        | 41       | 2              | 0        | 11       | 0      | 54              |
| NEW HAMPSHIRE   | 0        | 0              | 0        | 41       | 0      | 41              |
| LOUISIANA       | 0        | 1              | 0        | 19       | 0      | 20              |
| NEW JERSEY      | 0        | 0              | 7        | 0        | 11     | 18              |
| ALASKA          | 0        | 0              | 0        | 14       | 0      | 14              |
| MISSISSIPPI     | 0        | 0              | 0        | 13       | 0      | 13              |
| MASSACHUSETTS   | 0        | 0              | 1        | 10       | 0      | 11              |
| NEW MEXICO      | 0        | 0              | 0        | 9        | 0      | 9               |
| MONTANA         | 8        | 0              | 0        | 1        | 0      | 9               |
| RHODE ISLAND    | 0        | 0              | 0        | 7        | 0      | 7               |
| WEST VIRGINIA   | 0        | 0              | 0        | 6        | 0      | 6               |
| NORTH DAKOTA    | 0        | 0              | 0        | 5        | 0      | 5               |
| PUERTO RICO     | 0        | 0              | 0        | 4        | 0      | 4               |
| UTAH            | 0        | 0              | 0        | 3        | 0      | 3               |
| TOTAL           | 112      | 2,922          | 138      | 68,098   | 1,035  | 72,305          |

Source: USDA Animal and Plant Health Service





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